Table 1 Named local contrasts underlying the reliability-boundary overview. Effects are target minus baseline, with paired 95% intervals. Local decisions use the stated Holm family and do not themselves establish transport across configurations.

Factor / endpoint	Dataset and target versus baseline	Δ [95% CI]	p_{Holm}	Local decision / scope
Generator / AS	HotpotQA processed BGE: Qwen-HyDE vs Dense	-0.036 $[-0.062, -0.010]$	0.0658	unresolved; six-contrast generator family
Generator / AS	HotpotQA processed BGE: Mistral-HyDE vs Dense	-0.034 $[-0.064, -0.006]$	0.1201	unresolved; same family
Reranker / AS	HotpotQA full-wiki: cross-encoder vs HyDE	$+0.120$ [0.076, 0.162]	3.26×10^{-7}	supported local gain; BM25 top-100 pool
Reranker / AS	HotpotQA full-wiki: cross-encoder vs IRCoT	$+0.114$ [0.064, 0.164]	2.77×10^{-5}	supported local gain; same pool
Reranker / AS	HotpotQA full-wiki: cross-encoder vs BGE rescore	$+0.008$ $[-0.002, 0.020]$	0.2891	unresolved; bi-encoder comparator
Corpus / AS	2Wiki split-union: cross-encoder vs BM25	$+0.054$ [0.032, 0.078]	2.23×10^{-5}	supported retrieval gain; answer decisions unresolved
Reader / EM	HotpotQA full-wiki, Qwen: cross-encoder vs BM25	$+0.044$ [0.014, 0.074]	0.0214	supported local answer gain
Reader / EM	HotpotQA full-wiki, Mistral: cross-encoder vs BM25	$+0.060$ [0.032, 0.090]	0.0003	supported local answer gain; interaction unresolved
Budget / AS	HotpotQA IRCoT: full budget vs round two	$+0.010$ [0.002, 0.020]	0.0625	unresolved; unequal cumulative calls

All rows have $n = 500$. AS means complete supporting-title recovery; EM means local answer exact match. Adjustments are family-specific. The first two rows use the six-contrast generator family; reranker retrieval, 2Wiki retrieval and each reader use their separate declared families.

The historical matrix assigns unresolved transport to the reranker factor despite supported individual gains. Full-paragraph losses at 450 characters are 0.246 (HyDE), 0.214 (IRCoT), and 0.284 (BGE rescore). They are non-primary diagnostics, not formal transport decisions; sentence and final-token audits appear separately in Online Resource 1.